

## **SECTION J.3.5**

### **QUALITY ASSURANCE REQUIREMENTS**

#### **J.3.5.1 Pre-award QA Requirements**

The Contractor shall submit a Quality Program for review and approval by FDF prior to award of the Contract.

The Contractor shall determine the hazard categorization for the activities associated with the remediation of the Silo 3 material, as defined by DOE-EM-STD-5502-94, in accordance with the requirements discussed in Section J.3.2. The Contractor shall design, construct and operate the facility in such a way that this project remains in the hazard category determined by the Contractor. Should the Contractor determine that the activity has a Hazard Category 1, 2, or 3, then the Contractor is required to implement and be responsible for the requirements of 10 CFR Part 830.120, as well as any other DOE nuclear safety requirements that are applicable.

#### **J.3.5.2 QA Plan for Project**

The QA requirements, as represented in this contract, are based on the scope and complexity of the Contractor's scope and responsibilities. The Contractor shall develop and submit for FDF approval a QAP for this statement of work for applicable requirements of program Criteria 1 through 8 of the FDF QA Program RM-0012 (Attachment J.4.100). QA Program Criteria 9 and 10 will be the responsibility of FDF. The procedures submitted by the Contractor for the project will be reviewed to assure the program requirements are provided. The QAP will be submitted in accordance with the RFP submittal register Figure C.4-1.

List of program areas for QAP:

- ! Management Programs;
- ! Personnel Training and Qualifications;
- ! Quality Improvements and Corrective Actions;
- ! Documents and Records;
- ! Work Processes;
- ! Design;
- ! Procurement;
- ! Inspection/Acceptance Testing; and
- ! Measuring and Test Equipment.

#### **J.3.5.3 Project Oversight and Records Quality Assurance**

FDF will perform QA oversight of the Contractor throughout the life of the project. The Contractor shall maintain, in files on-site and available to FDF for inspection at any time, copies of all QA/Quality Control (QC) documents prepared by or for the Contractor on

equipment or work supplied or performed under the Contract. Copies of these reports shall be furnished to FDF upon request.

#### **J.3.5.4 QA Program Representatives**

The Contractor shall provide experienced QA representation responsible for monitoring the quality of project work, including records and documentation, providing quality documentation, planning and directing all vendor project inspections using applicable codes and standards, and providing interface with the FDF team on quality issues. The representative shall not have field or line management responsibilities. The representative shall provide Contractor interface for stop work actions initiated either by FDF or the Contractor.

#### **J.3.5.5 QA Inspection Schedules**

The Contractor shall submit an inspection schedule for review and approval by FDF. The schedule shall cover Contractor purchases, construction, operations and laboratory sampling (as applicable) for key systems, structures, and/or components. Figure C.4-1 contains the schedule for submittal.

#### **J.3.5.6 QA Nonconformance Programs**

The Contractor shall provide a system where items, activities, and processes that do not meet specified requirements are identified, documented, controlled, and corrected to prevent inadvertent test, installation, or use. The Contractor shall provide the nonconformance to FDF project management for approval of corrective actions.

#### **J.3.5.7 Records Management Program**

The Contractor shall provide a records management and document control plan for the project which establish and implement control of preparation, review, approval, issuance, use and revisions of documents that establish policy, prescribe work, specify requirements, or establish design. The systems shall ensure that controlled documents are distributed and used by personnel performing work. The systems shall provide for the maintenance of records including retention, protection, traceability, accountability, and retrievability, as applicable. Figure C.4-1 contains the submittal schedule.

#### **J.3.5.8 Stop Work Authority**

All FDF and Contractor personnel have the responsibility and authority to "Stop Work" for conditions or activities which are adverse to safety or quality when management or work controls are determined to be inadequate in accordance with FDF RM-0012 (Attachment J.4.100).

In any situation in which stop work is used, the following requirements apply:

- ! Exercise stop work authority in a justifiable and responsible manner;
- ! Once work is stopped, do not resume work until proper management controls for safety or quality have been established; and
- ! Resumption of work requires approval of FDF.

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